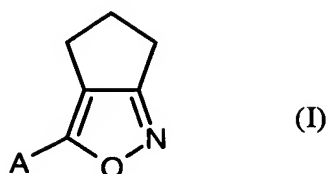


Patent Claims

1. A compound of the formula (I)



in which

A represents a radical radical $\text{—N} \begin{smallmatrix} \text{R}^1 \\ \text{R}^2 \end{smallmatrix}$ or $\text{—N}=\text{C} \begin{smallmatrix} \text{R}^3 \\ \text{R}^4 \end{smallmatrix}$,

in which

R^1 and R^2 independently of one another represent hydrogen, halogen, cyano, nitro or represent in each case optionally substituted alkyl, alkenyl, alkynyl, aryl, heterocyclyl, —COR^5 , —CONR^6 , —CSNR^7 or $\text{—SO}_2\text{R}^8$,

where

R^5 to R^8 independently of one another represent in each case optionally substituted alkyl, alkenyl, alkynyl, aryl or heterocyclyl,

and

R^3 and R^4 independently of one another represent hydrogen, or represent in each case optionally substituted alkyl, alkenyl, alkynyl, aryl and heterocyclyl,

5 or a salt or acid addition compound thereof.

2. A compound as claimed in claim 1, characterized in that

10 R^1 and R^2 independently of one another represent hydrogen, halogen, cyano, nitro or in each case optionally substituted C_1 - C_8 -alkyl, C_2 - C_8 -alkenyl, C_2 - C_8 -alkynyl, phenyl or heterocyclyl, or represent a radical $-COR^5$, $CONR^6$, $-CSNR^7$ or $-SO_2R^8$,

where

15

R^5 to R^8 independently of one another represent hydrogen, halogen, cyano, nitro or represent in each case optionally substituted C_1 - C_8 -alkyl, C_2 - C_8 -alkenyl, C_2 - C_8 -alkynyl, phenyl or heterocyclyl, and

20

R^3 and R^4 independently of one another represent hydrogen, halogen, cyano, nitro or represent in each case optionally substituted C_1 - C_8 -alkyl, C_2 - C_8 -alkenyl, C_2 - C_8 -alkynyl, phenyl or heterocyclyl.

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3. A process for preparing compounds of the the formula (I) as claimed in claim 1

in which

A represents a radical $\text{—N} \begin{smallmatrix} \nearrow \text{R}^1 \\ \searrow \text{R}^2 \end{smallmatrix}$,

and

R^1 and R^2 represent hydrogen,

5

characterized in that hydroxylamine or its salts are reacted with 2-amino-1-cyclopentene-1-carbonitrile, if appropriate in the presence of diluents and if appropriate in the presence of a catalytic or stoichiometric amount of base.

10 4. A process for preparing compounds of the formula (I) as claimed in claim 1

in which

A represents a radical $\text{—N} \begin{smallmatrix} \nearrow \text{R}^1 \\ \searrow \text{R}^2 \end{smallmatrix}$,

15

and

R^1 and R^2 independently of one another represent halogen, cyano, nitro or represent in each case optionally substituted alkyl, alkenyl, alkynyl, aryl, heterocycyl, $-\text{COR}^5$, $-\text{CONR}^6$, $-\text{CSNR}^7$ or $-\text{SO}_2\text{R}^8$,

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and

R^5 to R^8 are as defined in claim 1,

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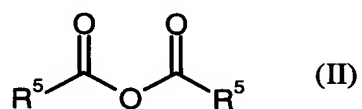
characterized in that compound of the formula (I)

in which

A represents a radical $\text{—N} \begin{smallmatrix} \text{R}^1 \\ \text{R}^2 \end{smallmatrix}$, and

5 R^1 and R^2 represent hydrogen, is reacted

a) with carboxylic anhydrides of the formula (II),



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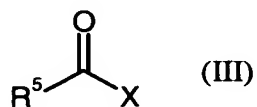
in which

R^5 is as defined in claim 1

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or

b) with carbonyl halides of the formula (III)



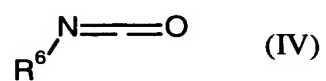
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in which

R^5 is as defined in claim 1 and X represents Cl and Br ,

or

c) with isocyanates of the formula (IV)

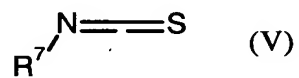


in which

10 R^6 is as defined in claim 1

or

d) with isothiocyanates of the formula (V)

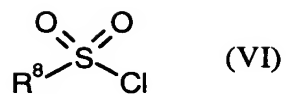


in which

20 R^7 is as defined in claim 1

or

e) with sulfonyl chlorides of the formula (VI)



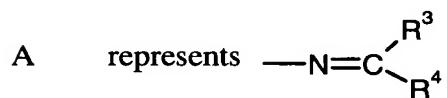
in which

5 R^8 is as defined in claim 1,

if appropriate in the presence of diluents and if appropriate in the presence of a catalytic or stoichiometric amount of base.

10 5. A process for preparing compounds of the formula (I) as claimed in claim 1

in which



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and

R^3 and R^4 are as defined in claim 1,

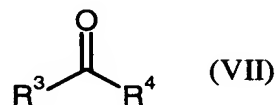
20 characterized in that compound of the formula (I)

in which



and R¹ and R² represent hydrogen,

5 is reacted with aldehydes or ketones of the formula (VII)



in which

10

R³ and R⁴ are as defined in claim 1,

if appropriate in the presence of diluents and if appropriate in the presence of a catalytic or stoichiometric amount of base.

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6. A microbicidal composition, comprising at least one compound as claimed in at least one of claims 1 and 2 and at least one solvent or diluent and also, if appropriate, processing auxiliaries and, if appropriate, further antimicrobially active compounds.

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7. A composition as claimed in claim 6, characterized in that it comprises at least one further antimicrobially active compound from the group of the fungicides, bactericides, herbicides and/or insecticides.

8. The use of compounds as claimed in at least one of claims 1 and 2 as a microbicide for protecting industrial materials.
- 5 9. The use as claimed in claim 8, characterized in that the industrial materials are adhesives, sizes, paper, board, leather, wood, timber products, paints, cooling lubricants and heat-transfer liquids.
- 10 10. A method for protecting industrial materials against infestation and/or destruction by microorganisms, characterized in that at least one compound as claimed in at least one of claims 1 and 2 is allowed to act on the microorganism or its habitat.
11. 11. An industrial material, comprising at least one compound as claimed in at least one of claims 1 and 2.